

# **When It Rains, It Drains**

**An Overview of  
Borough of  
Chambersburg  
Stormwater  
Management Program**







Clean Water



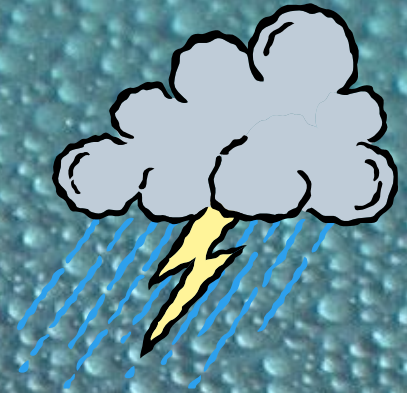
# **Let's Talk About. . .**

- **What storm water is and why it can be a problem in our community.**
- **What our community is doing to manage storm water and how these activities will benefit us.**



# What is Storm Water?

- Rain events
- Snow melt
- Other surface runoff and drainage





# Where Does Storm Water Go In Our Community?

- Travels over land
- Carried through municipal separate storm sewer system (MS4)
- Discharges into the Conococheague Creek and Falling Spring Creek



# **A “Point” of Confusion: Point Source vs. Nonpoint Source**

- **POINT source**

- Travels through a conveyance system
- Regulated under permit program

- **NONPOINT source**

- Runoff that is not a point source
- Addressed through voluntary programs



# Why is Storm Water a Problem?

- Problem: Decrease in quality
- Problem: Increase in quantity
- Cause: Developed and disturbed land





















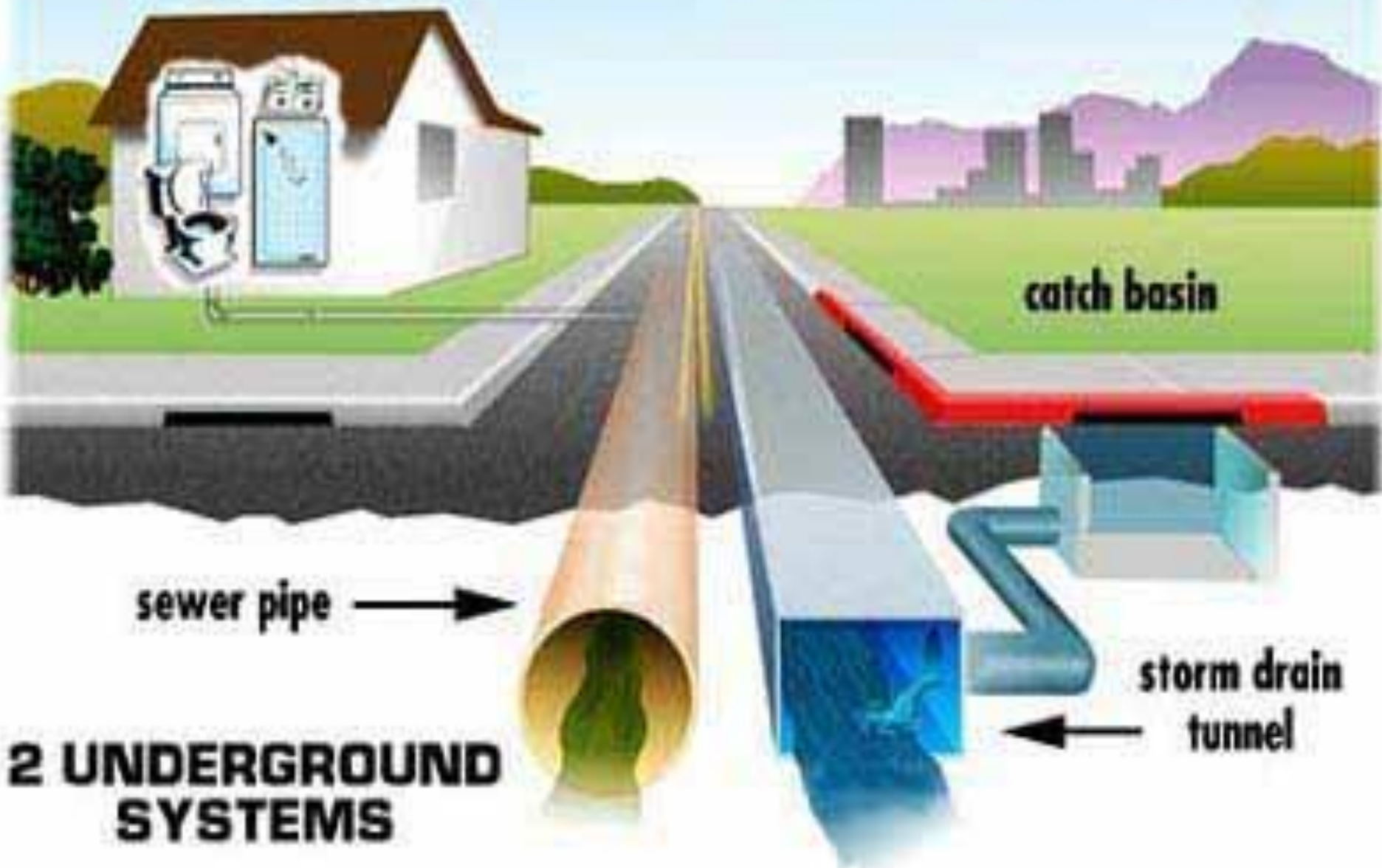
# Why is Storm Water a Problem?

- **Problem: Non-storm water discharges enter systems**
- **Cause: Illicit discharges**
- **Cause: Illicit connections**





household wastewater  
(toilet, sinks, etc.)





# Storm Water Pollutants

- Sediment
- Nutrients
- Bacteria
- Oxygen Demand
- Oil and Grease
- Trace Metals
- Toxic Chemicals
- Chlorides
- Thermal Impacts



# PA Water Quality and Storm Water Impacts

- **Total of 83,438 stream miles in PA Assessed**
  - Total of approximately 86,000 miles in PA
- **24.2% of assessed waters are impaired**
- **Urban runoff #3 source of impairment**
  - 4,325 miles of rivers and streams
  - 21.4% of all impaired river and stream miles



**Now We Know About  
Storm Water and Its  
Impacts on Our  
Community. . .**

**But What Are We  
Doing About It?**



# **Storm Water Permit Program for Small Communities**

- **New federal regulation requires permit for our community**
- **PA DEP created state permitting program to meet federal regulation**



# **What Does Our Permit Require?**

- **Implement a storm water management program**
- **Track progress toward goals**
- **Report on our progress**



# **Our Storm Water Program**

- **Public Education**
- **Construction Site Runoff Management**
- **Illicit Discharge Detection and Elimination**
- **Public Involvement**
- **Post-Construction Storm Water Management**
- **Good Housekeeping and Pollution Prevention**



# **Public Education and Outreach**

- **Distribute educational materials developed by PA DEP**
- **Develop outreach plan for community**



# Public Involvement/Participation

- Provide public notice
- Create an public involvement plan
- Hold a public meeting on the program
- Start a volunteer program
  - Water Quality Monitoring
  - Storm Drain Stenciling
  - Stream Clean-Ups



# **Illicit Discharge Detection and Elimination**

- **Enact DEP's model ordinance or update our existing ordinance**
- **Develop storm sewer system map**
- **Implement program to detect non-storm water in system**
- **Educate community on problems related to dumping in storm sewers**



# **Construction Site Storm Water Runoff Control**

- **Enact DEP's model ordinance or update our existing ordinance**
- **Coordinate with County Conservation District**
  - **Erosion and Sediment Control Program**
  - **NPDES Construction Storm Water Permitting**
- **Educate construction industry**



# **Post-Construction Storm Water Management**

- **Adopt PA DEP's model storm water management ordinance**
- **Ensure proper operation and maintenance of post-construction controls**



# **Pollution Prevention/ Good Housekeeping**

- **Implement O & M program that focuses on pollution prevention**
- **Train community employees on good housekeeping practices**
- **Educate community on pollution prevention**



# **How Will Our Storm Water Program Benefit Our Community?**





# **Expected Benefits of Our Storm Water Program**

- **Enhanced fishing**
- **Enhanced opportunities for recreation**
- **Reduced flood damage**
- **Drinking water benefits**
- **Navigational benefits**
- **Reduced illness**
- **Enhanced aesthetic value**



# **How Can You Get Involved?**

- **Pass on information about the storm water program to other community residents**
- **Report any storm water issues to the Borough Service Center (717) 263-4111**



# For More Information. . .

- **Contact:**

- **Andrew M. Stottlemeyer**

- **Storm Sewer System Manager**

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